Index of Claims

| Application/ | Control No. |
|--------------|-------------|
|--------------|-------------|

09/848,175 Examiner DHONG ET AL.

Applicant(s)/Patent under Reexamination

\_\_\_\_

Art Unit

Robert W. Wilson

2661

| √ | Rejected |
|---|----------|
| = | Allowed  |

| ı | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | ` | Appeal   |
|---|---|----------|
| C | ) | Objected |

| Cla                    | aim       |          |               |   |              | Dat          | e        |              |         |         |         | Cla             | aim      |                       |          |          | Date                | •        |         |                 |            | Cla      | aim         |          |          |          |          | ate      | <br>e    |                    |          |          |
|------------------------|-----------|----------|---------------|---|--------------|--------------|----------|--------------|---------|---------|---------|-----------------|----------|-----------------------|----------|----------|---------------------|----------|---------|-----------------|------------|----------|-------------|----------|----------|----------|----------|----------|----------|--------------------|----------|----------|
|                        | <u>-a</u> | ۱.,      |               |   | 1            |              |          |              |         |         |         |                 | -        |                       |          |          |                     |          | 1       |                 |            |          | <del></del> |          |          | ı        |          |          |          | 1                  | - 1      |          |
| Final                  | Original  | 9/12/05  |               |   |              |              |          |              |         | İ       |         | Final           | Original |                       |          |          | 1 1                 |          |         |                 |            | Final    | Original    |          |          |          |          |          |          | 1                  |          |          |
| iĒ                     | Ĕ         | 12       |               |   |              |              |          | l            |         |         |         | 這               | 흕        |                       | ĺ        | 1        | lΙ                  |          |         |                 |            | iĒ ,     | ř           |          |          | - 1      |          |          |          |                    |          |          |
|                        |           |          |               |   |              |              | L        | L            | ┙       |         |         |                 |          |                       |          |          |                     |          |         |                 |            |          |             |          |          | l        |          |          |          | Ш                  |          |          |
| I                      | 1         | ×        |               |   |              |              |          |              |         |         |         |                 | 51       |                       |          |          | Ш                   |          |         |                 |            |          | 101         |          |          |          |          |          |          |                    |          |          |
| 2                      | 2         | =        |               |   |              |              |          |              |         |         |         |                 | 52       |                       |          |          |                     | 3        |         |                 |            |          | 102         |          |          |          |          |          |          |                    |          |          |
| 3                      | 3         | =        | Ш             |   |              |              |          | L            | ⊥       | 丄       |         |                 | 53       | Ш                     |          | 1_       |                     |          |         | Ш               |            |          | 103         |          |          | $\perp$  |          |          |          |                    |          |          |
| 3                      | 4         | Ξ        |               |   |              |              |          |              | $\perp$ | ┸       |         |                 | 54       |                       |          |          |                     | $\perp$  |         |                 |            |          | 104         |          |          |          |          |          |          |                    |          |          |
| 5                      | 5         | Ξ        |               |   |              |              | _        | L            | $\perp$ |         |         |                 | 55       |                       |          |          |                     |          |         | Ш               |            |          | 105         |          |          | $\perp$  |          |          |          |                    |          |          |
|                        | -6-       |          |               |   | _            | $oxed{oxed}$ | 上        | L            | _       |         |         |                 | 56       |                       |          | ↓        | Ш                   |          |         | Ш               |            |          | 106         |          |          |          |          |          |          | Ш                  |          |          |
| 6                      | 7         | =        |               |   | 匚            | L            | L        | L            | $\perp$ |         | _       |                 | 57       | Ш                     |          | <u> </u> | $\Box$              |          |         |                 |            |          | 107         |          |          |          |          |          |          | Ш                  |          |          |
| 7                      | 8         | =        |               |   |              |              | <u></u>  | L            | _       |         | _       |                 | 58       |                       |          |          |                     |          |         |                 |            |          | 108         |          |          | _        |          |          |          | Ш                  |          |          |
| 8                      | 9         | =        | Щ             |   | 匚            |              | L        | L            | _       |         | _ ::::  |                 | 59       | $\sqcup$              |          | <u> </u> |                     |          | _       | Ш               |            |          | 109         |          |          |          | _        |          |          | Ш                  |          |          |
| 9                      | 10        | Ξ        |               |   | <u> </u>     |              | _        | L            | ┸       |         | _       |                 | 60       | Ш                     |          |          | Ш                   |          | $\perp$ | Ш               |            |          | 110         |          |          | _        |          |          |          | $\sqcup$           |          |          |
| 10                     | 11        | =        | Ш             |   | L_           | L_           | <u> </u> | $\perp$      | $\perp$ |         | _       | <u></u>         | 61       | $\sqcup$              | _        | $\perp$  | Ш                   |          | 1_      |                 |            |          | 111         |          |          |          |          |          |          | Ш                  |          |          |
| 11                     | 12        | Z        | Ш             |   | <u> </u>     | L.           | <u> </u> | L            | $\perp$ |         | _       |                 | 62       | Ш                     | $\perp$  | ┺        | Ш                   | $\perp$  |         | Щ               |            |          | 112         |          |          | ļ        |          |          |          | $\Box$             |          |          |
| 12                     | 13        | 3        | Ш             |   | L_           | _            | <u> </u> | <u> </u>     | 4       | _ _     | 4       | L .             | 63       | $\sqcup \bot$         | _        | 1        | Ш                   |          |         | Ш               |            |          | 113         |          | $\sqcup$ | _        |          |          |          | $\dashv$           | _        |          |
| 13                     | 14        | =        | Ш             |   | L            | L            | _        | $\downarrow$ | $\perp$ |         | 4       | <u> </u>        | 64       | $\sqcup \downarrow$   |          | $\perp$  | Ш                   |          |         | Ш               |            |          | 114         |          | $\Box$   |          |          |          |          | $oldsymbol{\perp}$ |          |          |
| 14                     | 15        | =        |               |   | L_           | L            | ↓_       | Ļ            | _       | $\perp$ | 4       | <u> </u>        | 65       | Ш                     |          | $\perp$  | Ш                   |          |         |                 |            |          | 115         |          |          |          |          |          |          | $\Box$             |          |          |
| 15                     | 16        | =        | $\Box$        |   | _            | L            | L        | _            | ┵       | $\perp$ | _       |                 | 66       | Ш                     |          | ↓_       |                     |          |         | Ш               |            |          | 116         |          |          |          |          |          |          | $\perp \downarrow$ |          |          |
| <b>   </b>             | 47        | <u> </u> | Щ             |   | L            | _            | ┖        | L            | $\perp$ | $\perp$ | 4       |                 | 67       | $\sqcup$              |          | 1_       | $\sqcup$            |          | $\perp$ | Ш               |            |          | 117         |          |          | $\dashv$ |          | _        |          | $\perp$            | _        |          |
| 16                     | 18        | =        |               |   |              |              |          | L            | ᆚ       |         | J       |                 | 68       |                       |          |          | Ш                   |          | ┸       | Щ               |            |          | 118         |          |          |          |          |          |          | Ш                  | $\Box$   |          |
| 17                     | 19        | 11 11    |               |   | L.,          | L            | <u> </u> | L            | $\perp$ |         | _       |                 | 69       |                       |          | ┸        | Ш                   |          |         |                 |            |          | 119         |          |          |          |          |          |          |                    |          |          |
| 1.8                    | 20        | Ξ        |               |   | L_           | $oxed{oxed}$ | L        | L            |         |         | _       |                 | 70-      | $\Box$                |          |          | Ш                   | $\bot$   |         |                 |            |          | 120         |          |          |          |          |          |          |                    | $\Box$   |          |
| 19                     | 21        |          |               |   |              | <u> </u>     |          |              | ┙       | $\perp$ | _       |                 | 71       |                       |          | ┸        |                     |          |         |                 |            |          | 121         |          |          |          |          |          |          | $\Box$             |          |          |
| 20                     | 22        | =        |               |   |              | ļ            |          |              | ┸       | ┸       | _ ::::: |                 | 72       |                       |          | 1_       |                     | $\perp$  |         |                 |            |          | 122         |          |          |          | $\Box$   |          |          |                    |          |          |
| 21                     | 23        | 11       |               |   | <u> </u>     | _            | _        | L            | $\perp$ |         | _       | <u> </u>        | 73       |                       |          | 1        |                     |          |         | Ш               |            |          | 123         |          |          |          |          |          |          |                    | _        | _        |
| 22                     | 24        | =        |               |   | _            | _            | <u> </u> | L            | ┵       | _ _     | _       |                 | 74       |                       |          |          |                     | $\perp$  | $\perp$ | Ш               |            |          | 124         | $\Box$   |          | _        |          |          |          |                    |          |          |
|                        | 25        | Щ        | $\Box$        |   |              |              | <u> </u> | L            | 4       |         | _:::::  |                 | 75       |                       |          |          |                     |          |         | Ш               |            |          | 125         |          |          |          |          |          |          | _                  |          | _        |
|                        | 26        |          |               |   | L.,          |              | <u> </u> |              | _       | _ _     | 4       |                 | 76       | $\sqcup$              |          | $\bot$   | $\sqcup$            |          |         | Ш               |            |          | 126         | $\Box$   | _        | $\perp$  | _        |          | _        |                    |          | _        |
| $\sqcup$               | 27        |          | $\perp$       |   | $oxed{oxed}$ | _            |          | Ļ            | 4       |         | _       |                 | 77       | $\Box$                | _        | 1        | $\sqcup$            | $\perp$  |         | Ш               |            |          | 127         | $\Box$   |          |          |          |          | _        |                    | _        | _        |
|                        | 28        |          |               |   | _            |              | ļ        | _            | 4       | _ _     | _       |                 | 78       | $\perp$               | $\bot$   | _        | $\sqcup$            |          |         | Ш               |            |          | 128         | _        |          |          |          |          | _        |                    | $\dashv$ | _        |
|                        | 29        | Щ        |               |   | _            | _            | ļ.,      | ļ.,          | 4       |         | 4       |                 | 79       | $\perp$               | $\perp$  | _        | $\sqcup$            | $\perp$  | ļ       | Щ               |            |          | 129         | $\Box$   | 4        | _        | _        | _        | _        | 4                  | 4        | _        |
|                        | 30        | <u> </u> |               | _ |              |              | <u> </u> | L            | 4       | _       | _:::::  |                 | 80       |                       | _        |          | $\sqcup$            |          | $\perp$ | Щ               |            |          | 130         |          | _        | _        | _        | _        | $\dashv$ | 4                  | _        | ᆜ        |
| $oxed{oxed}$           | 31        | $\vdash$ | $\Box$        | _ | <u> </u>     | _            | <u> </u> | L            | $\perp$ | $\perp$ | 4       |                 | 81       | $\vdash \!\!\! \perp$ | $\bot$   | 4        | Ш                   | _ _      |         | Щ               |            |          | 131         | _        |          |          | _        | _        | _        | _                  | _        | $\dashv$ |
| <b>  </b>              | 32        | Ш        | 4             | _ | <u> </u>     |              | 1        | L            | $\bot$  | _       | 4       |                 | 82       | $\vdash$              |          | -        | $\sqcup$            |          |         | Щ               |            |          | 132         |          | 4        |          | _        | _        |          |                    | _        |          |
|                        | 33        | $\vdash$ | $\dashv$      | _ | <u> </u>     | ٠.           | $\vdash$ | $\vdash$     | $\bot$  | -       | -       | <u> </u>        | 83       | $\vdash \vdash$       | $\bot$   | -        | $\sqcup$            | _        | 4       | Щ               |            |          | 133         |          | _        | _        | _        | _        | _        |                    | _        | 凵        |
| $\vdash \vdash \mid$   | 34        | $\vdash$ | _             | 4 |              |              | -        | ⊢            | +       | +       | -       | <u> </u>        | 84       | $\vdash$              | +        | -        | $\vdash \vdash$     | +        | -       | $\vdash \dashv$ |            |          | 134         |          |          | _        | _        | _        | _        | $\dashv$           | _        | 4        |
| $\vdash \vdash \vdash$ | 35        | $\vdash$ | _             |   | <u> </u>     |              | -        | ┡            | +       | +       | -       | <b> </b>        | 85       | $\vdash \vdash$       | +        | $\vdash$ | $\vdash \vdash$     | +        | -       | Щ               | ::::\<br>! |          | 135         | _        | 4        | _        | _        |          | _        | $\dashv$           | $\dashv$ | _        |
| $\vdash \vdash$        | 36        | $\vdash$ | $\dashv$      | _ | $\vdash$     | $\vdash$     | $\vdash$ | ⊢            | +       | +       | 4       | <u> </u>        | 86       | $\vdash \vdash$       | +        | 1        | $\sqcup$            |          | +       | Щ               |            |          | 136         |          | -        |          | _        |          | _        | _                  | _        |          |
|                        | 37        | $\vdash$ | $\rightarrow$ | 4 | $\vdash$     | <u> </u>     | $\vdash$ | ⊢            | +       | +       | 4       | <u> </u>        | 87       | $\vdash \vdash$       | +        | +        | ${oxdot}$           | +        | _       | Щ               |            |          | 137         | $\dashv$ | $\dashv$ |          | 4        | _        |          |                    | _        | _        |
|                        | 38        | <u> </u> |               | _ | $\vdash$     | <u> </u>     | Η.       | $\vdash$     | +       | +       | -       | <u> </u>        | 88       | $\vdash \vdash$       | +        | +        | $\vdash \vdash$     | _        | $\perp$ | Щ               |            |          | 138         | -        | -        |          | _        |          |          | _                  |          | _        |
| $\vdash$               | 39        | $\vdash$ |               | _ | -            | -            | $\vdash$ | ⊢            | +       | +       | -       | <u> </u>        | 89       | $\vdash$              |          | ┼-       | $\vdash$            | +        | +       | Щ               |            |          | 139         | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ |          | _                  | $\dashv$ | _        |
| $\vdash$               | 40        | Н        |               | _ | <u> </u>     | -            | $\vdash$ | ┞            | +       | +       | -       | <u> </u>        | 90       | $\vdash$              | -        | +-       | $\vdash \vdash$     |          | +       | $\sqcup$        |            |          | 140         |          | $\dashv$ | $\dashv$ | $\dashv$ |          |          | -                  |          |          |
|                        | 41        | $\vdash$ |               | _ | <u> </u>     | ├            | ├        | ╀            | +       | +       | -       | $\vdash$        | 91       |                       | -        | +-       | $\vdash \vdash$     | -        | +       | $\vdash \vdash$ |            |          | 141         | _        | $\dashv$ | $\dashv$ | 4        | _        |          | $\dashv$           | $\dashv$ | 4        |
| <b>——</b>              | 42        | Н        | -             | _ | $\vdash$     | $\vdash$     | $\vdash$ | ╀            | +       | +       | -       |                 | 92       | $\vdash$              | +        | +        | $\vdash \vdash$     | -        | +       | Н               |            |          | 142         |          | $\dashv$ |          | -        |          |          | $\dashv$           | $\dashv$ | 4        |
| $\vdash$               | 43        | Н        | -             |   |              | $\vdash$     | $\vdash$ | Ͱ            | +       | +       | -       | $\vdash \vdash$ | 93       | $\vdash$              |          | +        | $\vdash$            | -        | +       | Н               |            |          | 143         |          | $\dashv$ | -        | $\dashv$ | $\dashv$ |          | $\dashv$           | $\dashv$ | $\dashv$ |
| $\vdash$               | 44        | Н        | $\dashv$      | - | -            | -            | -        | ⊢            | +       | +       | ╢       |                 | 94       | $\vdash$              | +        | $\vdash$ | $\vdash$            |          | +-      | $\dashv$        | <b> </b>   |          | 144         |          | $\dashv$ | -        | -        |          |          | $\dashv$           | $\dashv$ | $\dashv$ |
|                        | 45<br>46  | Н        | $\dashv$      | - |              | $\vdash$     | $\vdash$ | $\vdash$     | +       | +       | -       | <u> </u>        | 95       |                       | $\dashv$ | +        | $\vdash$            | $\dashv$ | +       | Н               | ⊪}         |          | 145         |          | $\dashv$ | $\dashv$ | -        | -        |          | $\dashv$           |          | $\dashv$ |
|                        |           | Н        |               | - |              | -            | $\vdash$ | $\vdash$     | +       | +       | -       |                 | 96       | $\vdash \vdash$       | +        | +        | $\mapsto$           | +        | +       | Щ               |            |          | 146         | $\dashv$ | $\dashv$ | $\dashv$ | -        | $\dashv$ | -        | $\dashv$           |          |          |
|                        | 47        | Н        | $\dashv$      | 4 |              | <u> </u>     | $\vdash$ | $\vdash$     | +       | +       | -       |                 | 97       | $\vdash$              | -        | +        | $\vdash \vdash$     | +        | +       | $\dashv$        |            |          | 147         | $\dashv$ | $\dashv$ | -        | $\dashv$ |          |          | $\dashv$           | $\dashv$ |          |
|                        | 48        | Н        | $\dashv$      | - |              | <u> </u>     | $\vdash$ | ⊢            | +       | +       | -       |                 | 98       | $\vdash$              | +        | $\vdash$ | $\vdash \vdash$     | +        | +       | $\dashv$        | <b> </b>   | $\dashv$ | 148         | $\dashv$ | $\dashv$ | 4        |          |          |          | $\dashv$           | 4        |          |
|                        | 49<br>50  | $\vdash$ | -+            |   | $\vdash$     | Η.           | $\vdash$ | ┞            | +       | +       | -       | $\vdash$        | 99       | -                     |          | +        | $\vdash \downarrow$ | +        | +       | $\vdash$        | -          |          | 149         |          | $\dashv$ |          | $\dashv$ |          | $\dashv$ | $\dashv$           | $\dashv$ | $\dashv$ |
|                        | วบ        |          |               |   |              | L            | Щ.       | 乚            | ᆚ       |         | J:::::  |                 | 100      |                       |          |          |                     |          |         |                 |            |          | 150         |          |          | Ц.       |          |          |          | Ш                  | 丄        |          |